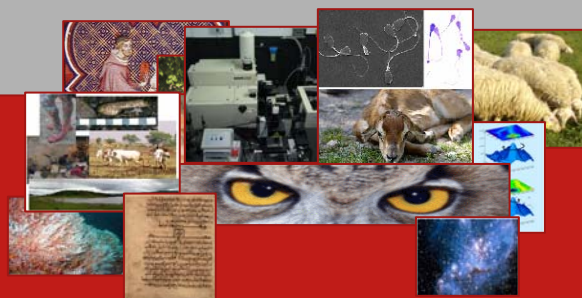


# Digital.CSIC: Opening Access to Premier Scientific Research in Spain

IFLA World Library and Information Congress  
August 2010

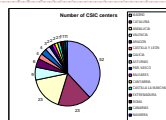


## Spanish National Research Council : productivity and dissemination

### What is CSIC?

- The Spanish National Research Council (CSIC) is the state leading scientific agency in the country
- CSIC is a huge organization consisting of 147 research centers and institutes comprising an overall staff of more than 15,500, out of which around 9,000 are directly devoted to research activities
- CSIC network of research institutions is organized in 8 broad scientific areas including:
  - Humanities and Social Sciences
  - Biological and Medical Sciences
  - Natural Resources
  - Physical Sciences and Technologies
  - Materials Science and Technology
  - Food Science and Technology
  - Chemical Sciences and Technologies
  - Agricultural Sciences

### Geographical distribution of CSIC scientific network



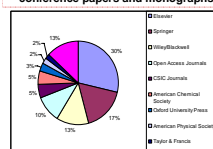
### CSIC output pace over the years

- CSIC intellectual output covers a span of time starting in the 1930s
- In 2009 alone, CSIC produced 9,741 ISI/SCImago articles, 1,550 non-SCI/SCImago articles, 360 books, 1,784 book chapters, 104 other monographs, 4,534 proceedings and 3,409 posters in international conferences, 2,584 proceedings and 1,675 posters in national conferences, 753 PhD theses and 150 patents
- Between 2000 and 2007 CSIC researchers published more than 6,000 scientific articles, including 4,000 indexed in ISI/SCImago
- CSIC produced around 1,000 scientific articles in 2009, which resulted in 19,725 scholarly citations
- CSIC Strategic Plan 2010-2013 estimates that the next 3 years will yield 40,000 publications

### CSIC ranking as a research institution

- SCImago Institutions Rankings 2009 (Top 2000): 11th position (output, cites per document, international collaboration, normalized SJR, and normalized citation score)
- Ranking Web of World Research Centers 2010 (Top 3000): 18th position (size, visibility, rich files, Google Scholar)

### Publishing habits: mostly journals, conference papers and monographs



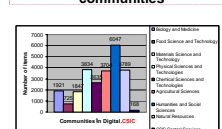
## Digital.CSIC: Open access to science and digital memory

### What is Digital.CSIC?

- Digital.CSIC is the institutional repository of the Spanish National Research Council (CSIC) and the Spanish Research Council (CONIC) and the Spanish Research Council (CONIC)
- Launched in January 2008 to support CSIC's research and innovation activities
- A CSIC initiative coordinated by the CSIC Research Council
- The 147 CSIC research centers and institutes work with 10 specialized research units
- Digital.CSIC uses an Open Access and Creative Commons license



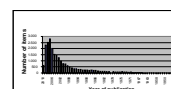
### CSIC research in Digital.CSIC communities



### Growing variety of intellectual output in Digital.CSIC

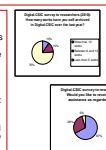
Article preprints	12,115
Conference papers	1,139
Working papers, technical reports and preprints	1,080
Books and book chapters	1,862
Patents	680
Theses and dissertations	445
Other	260
Presentations	152
Dissemination and learning material	149
Mark competitions	146
Forums	119
Reviews	57
Videos	59
Maps	7
Software	7
Data sets	5

### Overall CSIC scientific output in Digital.CSIC by publication year



### CSIC researchers behavior

- Although a growing number of researchers self-archive, some factors still discourage participation:
  - Fear of copyright breach
  - Lack of full understanding of what open access is
  - Deposit process perceived as long and another administrative load



## Services for researchers and librarians

### Digital.CSIC services

Its Technical Office:

- Raises awareness on open access and CSIC institutional repository
- Trains CSIC researchers and librarians on how to archive and use Digital.CSIC
- Provides consultancy on copyright issues
- Produces guides, manuals, studies and useful resources
- Makes technological innovations for new services
- Collaborates with like minded initiatives within CSIC and elsewhere

### Measuring usage

- Nearly 3,800,000 visits and more than 2,700,000 downloads of full texts worldwide in 2 years and a half
- United States is no.1 user, followed by Spain, United Kingdom and Mexico
- Digital.CSIC has developed its own set of statistics recently, which produces detailed usage reports and deposit trends by center



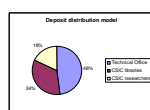
### Developing an impact model

- CSIC scientists increasingly follow usage of their output in Digital.CSIC to measure impact and diffusion of their research



### Who deposits in Digital.CSIC?

- Digital.CSIC Technical Office
- CSIC librarians and other technical staff
- CSIC scientists
- Visiting fellows and scholars
- CSIC PhD and Masters students
- CSIC emeritus professors



## Digital.CSIC organization

### Digital.CSIC policies

- Content and collection policy
- Services policy
- Metadata policy
- Data policy
- Deposit policy
- Editing, retention, replacement and withdrawal policy
- Statistics policy
- Privacy policy
- Preservation policy
- Format policy